

Cosmoplene® AW564H

PP

The Polyolefin Company (Singapore) Pte Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	28.5	MPa	ASTM D 638
Tensile Strength at Break	23.5	MPa	ASTM D 638
Elongation at Break	400	%	ASTM D 638
Flexural Modulus	1170	MPa	ASTM D 790
Rockwell Hardness	R 95	-	ASTM D 785
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	40	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	121	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	30	°C	-
Zone 1	190 - 230	°C	-
Injection pressure	6.9	MPa	-
Holding pressure	9.8	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Features

Thermal Stability, Copolymer, Impact Copolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Electrical and Electronical

Regional Availability

Asia Pacific